Abstract

Method for Producing a Strong Bond between Two Layers of a Multilayer System, and Multilayer System

In a multilayer system, for example a sensor, in order to bond together strongly two layers (2, 6) that adhere together only to a degree without restricting the functionality of the multilayer system, an intermediate layer (1), preferably a dielectric that does not impair the functionality but does adhere well, is applied to the first layer (2), to which intermediate layer the second layer (6) is adjacent. Preferably conical anchors (9) are embedded in the intermediate layer (1) and the second layer (6), which anchors interlockingly bond the intermediate layer (1) and the second layer (6) together. For example, preferably conical contact holes (3) are pierced in the intermediate layer (1) by an etching process or a photographic process, which contact holes are filled with an adhesive compound (4). The intermediate layer (1) is stripped down to a minimum thickness by an etching process or a photographic process, so that anchors (9) molded by the contact holes (3) from the adhesive compound (4) protrude from the intermediate layer (1). The second layer (6) is applied to the intermediate layer (1) with the protruding anchors (9), so that the anchors are also embedded in the second layer (6) and in this way the intermediate layer (1) is strongly bonded to the second layer (6).

Figure 6